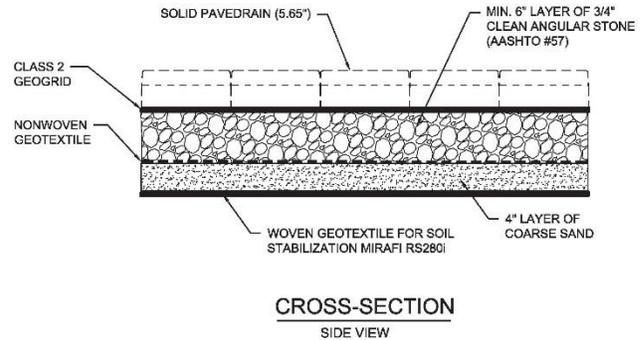




## **Hoopes Alley Porous Pavers**

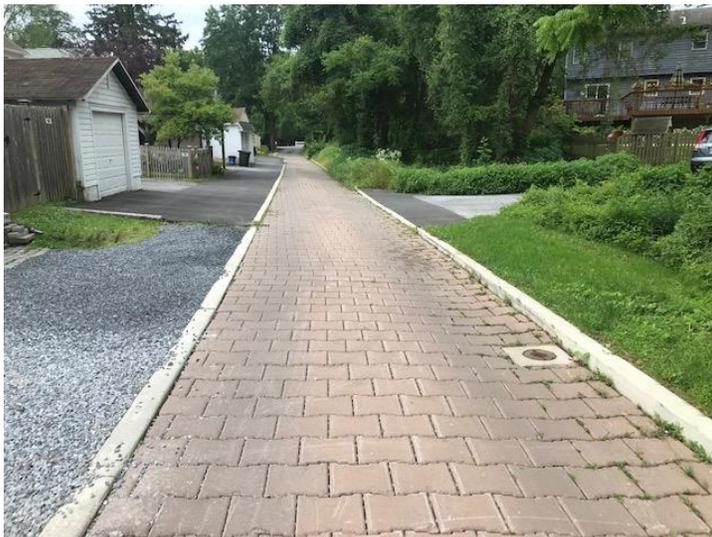
### **Overview:**

Pervious pavers, also known as porous concrete, are comprised of concrete bricks, separated by joints or gaps filled with small stones or sand, which are laid over a bed of aggregate stones. Water is able to infiltrate through the concrete and the joints. The runoff is stored in the void space underneath the paver surface, where it is then filtered back into the soil.



### **Design:**

For years Hoopes Alley and the adjacent stream would flood and inundate the roadway with runoff and high ground water. The pavement had deteriorated to the point of failure. In lieu of performing a full road restoration and paving the road with asphalt, the borough decided to integrate porous pavers and an underground seepage bed. This design had three purposes: one: decrease the volume of runoff from Hoopes Alley and the adjacent roads, two: provide runoff storage to lessen the impact to the adjacent stream, and three: reduce the pollutants entering the stream channel. The borough has already seen the impact of the porous paver system during recent runoff events. This project also provided additional benefits for our MS4 program and our TMDL plan.



### **Cost:**

This portion of the overall Green Infrastructure Project cost \$228,000. The overall cost of the Green Infrastructure Project cost approximately \$1,200,000.